

Db 1681 AACTACCCACCAAGAGCAGCATGGTAGCGGAGAGAGTAATTAAGAGAGAGAGATAC 1740
Qy 1758 TGGAGATATATGCAAAATAGAGGAGTAGTAAGGATTAAGTACGCCCTTTAAGGATTA 1817
Db 1741 TGGAGATATATGCAAAATAGAGGAGTAGTAAGGATTAAGTACGCCCTTTAAGGATTA 1800
Qy 1818 ACTAGTTAAGGATTAATAGCAAAAGATTAATTAATATGCTTAACATAGCTATGAGGAATTG 1877
Db 1801 ACTAGTTAAGGATTAATAGCAAAAGATTAATTAATATGCTTAACATAGCTATGAGGAATTG 1860
Qy 1878 AGGCAAGCACCAGGAGCTGATAGGCTTTTAAACAAAACCAAGTGTGGCAAAACAAA 1937
Db 1861 AGGCAAGCACCAGGAGCTGATAGGCTTTTAAACAAAACCAAGTGTGGCAAAACAAA 1917
Qy 1938 AAAAAAATAAAAAAATAAATCTTAACAAAACCAAGTGTGGCAAAACCAATTTCTTCA 1997
Db 1918 AAAAAAATAAAAAAATAAATCTTAACAAAACCAAGTGTGGCAAAACCAATTTCTTCA 1977
Qy 1998 AAAAAAATAAAAAAATAAATCTTAACAAAACCAAGTGTGGCAAAACCAATTTCTTCA 2057
Db 1978 AAAAAAATAAAAAAATAAATCTTAACAAAACCAAGTGTGGCAAAACCAATTTCTTCA 2037
Qy 2058 TTTCTTACATTTGCTTGAAGAATTAATAATGCTGTGCAAAATTTTCTTATTTTATTTGG 2117
Db 2038 TTTCTTACATTTGCTTGAAGAATTAATAATGCTGTGCAAAATTTTCTTATTTTATTTGG 2097
Qy 2118 AGACTTCTTATCAAAATTAATGCTGCAAAAGAGTCTTAAGGAATTAAGTGTGCTCCAT 2177
Db 2098 AGACTTCTTATCAAAATTAATGCTGCAAAAGAGTCTTAAGGAATTAAGTGTGCTCCAT 2157
Qy 2178 CACTTGTGTGAGTGTGCTATCTTAAAGATTTTGAATTTCTGCAAAATTTTGAATTTAT 2237
Db 2158 CACTTGTGTGAGTGTGCTATCTTAAAGATTTTGAATTTCTGCAAAATTTTGAATTTAT 2217
Qy 2238 TAACCTTTGTTGGGGAAGAGTATATAGGACACAGTCTTCACTTCTGATATCTGTAATTT 2297
Db 2218 TAACCTTTGTTGGGGAAGAGTATATAGGACACAGTCTTCACTTCTGATATCTGTAATTT 2277
Qy 2298 AATCTTTATGCACTTGTGTTGACCAATAGGATTAATGTTAAGAAATGTTCAATTTACG 2357
Db 2278 AATCTTTATGCACTTGTGTTGACCAATAGGATTAATGTTAAGAAATGTTCAATTTACG 2337
Qy 2358 GAAAAATTAAGAAAATCTGATAATAGTGAAGATTAATGTTAAGAAATGTTCAATTTACG 2417
Db 2338 GAAAAATTAAGAAAATCTGATAATAGTGAAGATTAATGTTAAGAAATGTTCAATTTACG 2397
Qy 2418 TATATGACCTGTCAATGCAAAATTAATAATTTCTTTTGAATTTTCTTTTCAATTTAC 2477
Db 2398 TATATGACCTGTCAATGCAAAATTAATAATTTCTTTTGAATTTTCTTTTCAATTTAC 2457
Qy 2478 CAGAATAAATAC-TAAGAAATTAAGTGTGATTAAGTGTGATTAAGTGTGATTAAGTGTG 2526
Db 2458 CAGAATAAATAC-TAAGAAATTAAGTGTGATTAAGTGTGATTAAGTGTGATTAAGTGTG 2507

RESULT 3

US-09-232-149A-332
; Sequence 332, Application US/09232149A
; Patent No 4346561
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillion, Davin C.
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
; FILE REFERENCE: 210121.427C6
; CURRENT APPLICATION NUMBER: US/09/232.149A
; NUMBER OF SEQ ID NOS: 338
; SOFTWARE: FastSeq for Windows Version 3.0
; -SEQ ID NO 332
; -LENGTH: 2507

TYPE: DNA
ORGANISM: Homo sapien
US-09-232-149A-332
Query Match
Best Local Similarity 97.5%
Score 2473.6; DB 4; Length 2507;
Matches 2500; Conservative 1; Mismatches 5; Indels 4; Gaps 2;
Qy 18 TGGTGGCGCTGACGCGGAGAGATGTTGAGCTCATGTTCCCGCTGTTGCTCTCCCTTC 77
Db 1 TGGTGGCGCTGACGCGGAGAGATGTTGAGCTCATGTTCCCGCTGTTGCTCTCCCTTC 60
Qy 78 TGGCTTCTCTCTATATATGCTGCGCCCAAAATCAGAAATGCTGTCAGTGGGGTGT 137
Db 61 TGGCTTCTCTCTATATATGCTGCGCCCAAAATCAGAAATGCTGTCAGTGGGGTGT 120
Qy 138 GTACATCAATCTGTTGAGCTTCTGGGAAAGTAGTGTGCTCAGAGGAGCTAATACAGTA 197
Db 121 GTACATCAATCTGTTGAGCTTCTGGGAAAGTAGTGTGCTCAGAGGAGCTAATACAGTA 180
Qy 198 TCGGGAAGGAGACAGCCAAAGAGCTGCTCAGAGAGGAGCTCAGAGTATATTTAGCTTGC 257
Db 181 TCGGGAAGGAGACAGCCAAAGAGCTGCTCAGAGAGGAGCTCAGAGTATATTTAGCTTGC 240
Qy 258 GGGATGTGAAAAAGGGGGAATTTGGTGGCCAAAGAGATCCAGACCAAGAGGAGGAGCCAGC 317
Db 241 GGGATGTGAAAAAGGGGGAATTTGGTGGCCAAAGAGATCCAGACCAAGAGGAGGAGCCAGC 300
Qy 318 AGGTGTTGTTGGGAAACTGACCTGTCTGATCTAAGTCTATTCGAGCTTTTCTGTAAG 377
Db 301 AGGTGTTGTTGGGAAACTGACCTGTCTGATCTAAGTCTATTCGAGCTTTTCTGTAAG 360
Qy 378 GCTTCTTAGCTGAGGAAAGCACTCCACGTTTGTATCAAAATGCAAGGAGTGTATGT 437
Db 361 GCTTCTTAGCTGAGGAAAGCACTCCACGTTTGTATCAAAATGCAAGGAGTGTATGT 420
Qy 438 GTCCGTACTCGAAGACAGCAGATGGCTTTGAGATGCAATAGGAGTCAACCACTTGGGT 497
Db 421 GTCCGTACTCGAAGACAGCAGATGGCTTTGAGATGCAATAGGAGTCAACCACTTGGGT 480
Qy 498 ACTTCTCTTAAACCCATCTGCTGAGAGAACTAAAGGAATCAGCCCAATCAAGGATAG 557
Db 481 ACTTCTCTTAAACCCATCTGCTGAGAGAACTAAAGGAATCAGCCCAATCAAGGATAG 540
Qy 558 TAAATGTGCTTCTCCGCAATCAGCTGGGAAAGGATCCACTTCCATAAATCTGCAAGGCG 617
Db 541 TAAATGTGCTTCTCCGCAATCAGCTGGGAAAGGATCCACTTCCATAAATCTGCAAGGCG 600
Qy 618 AGAAATTTCAATGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 677
Db 601 AGAAATTTCAATGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 660
Qy 678 CCCAGGAATGGGCGGAGACTAAAGGCTCTGGCGTGTAGGAGTATCTGTACACCTG 737
Db 661 CCCAGGAATGGGCGGAGACTAAAGGCTCTGGCGTGTAGGAGTATCTGTACACCTG 720
Qy 738 GCACACTCAATCTGAATCTGGCTCGGCACTCACTTTTCTGATGATGATGATGATGATGAT 797
Db 721 GCACACTCAATCTGAATCTGGCTCGGCACTCACTTTTCTGATGATGATGATGATGATGAT 780
Qy 798 TCTCTCTTTTCAATGAGCTCTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 857
Db 781 TCTCTCTTTTCAATGAGCTCTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 840
Qy 858 CAGAAGTCTTGTGAGATTTCTAAGTGGGAATCAATTTCACTGATGCTGATGCTGATGCTGAT 917
Db 841 CAGAAGTCTTGTGAGATTTCTAAGTGGGAATCAATTTCACTGATGCTGATGCTGATGCTGAT 900
Qy 918 CTGTCCAAGCTGTAAATGAGACTATAGCAAGGCGGCTGTGGGAGGAGGAGGAGGAGGAG 977
Db 901 CTGTCCAAGCTGTAAATGAGACTATAGCAAGGCGGCTGTGGGAGGAGGAGGAGGAGGAG 960
Qy 978 TGGGCTCTCCAATAGACTAAAGGAGGAGTGGAGTGGAGTGGAGTGGAGTGGAGTGGAGTGG 1037

Db	961		TGGGCTTCCCAATAGACTAA	CAGGCGAGTGCAGTTG	GAACCAAGAGAAGACTGC	CAGCAGA	1020
Qy	1038		CTACACAGTACTTCTTGT	CAAAATGATTCCTT	CAAGGTTTTCAAAACCTTTAG	CACAA	1097
Db	1021		CTACACAGTACTTCTTGT	CAAAATGATTCCTT	CAAGGTTTTCAAAACCTTTAG	CACAA	1080
Qy	1098		AGAGGCAAAACCTTCC	AGGCTTGCCTTGCCTT	GCCTGTCAGTTAAACTCAGTGT	TACTGCC	1140
Db	1081		AGAGGCAAAACCTTCC	AGGCTTGCCTTGCCTT	GCCTGTCAGTTAAACTCAGTGT	TACTGCC	1140
Qy	1158		AGATTGCTCTAAATGTCT	GTGCATGTCCAGATTTAC	TTTGTCTTCTGTACTTGC	CCACAGTTA	1217
Db	1141		AGATTGCTCTAAATGTCT	GTGCATGTCCAGATTTAC	TTTGTCTTCTGTACTTGC	CCACAGTTA	1200
Qy	1218		CTAGAGATATCAATAAT	TAGGTAAGAGACCTCT	ATATGACTGCTGCACAGCTCAT	TTTCCCTT	1277
Db	1201		CTAGAGATATCAATAAT	TAGGTAAGAGACCTCT	ATATGACTGCTGCACAGCTCAT	TTTCCCTT	1260
Qy	1278		CTGAAGAAACTACTACT	CTAGGGAATCTTAAGCT	TATAGCGGATGATTTATG	CAAAATTT	1337
Db	1261		CTGAAGAAACTACTACT	CTAGGGAATCTTAAGCT	TATAGCGGATGATTTATG	CAAAATTT	1320
Qy	1338		GAACTAGCTTTTGTTC	CAAAATTCAGTTCTCT	CCCAACCAACCACTT	CACATTC	1397
Db	1321		GAACTAGCTTTTGTTC	CAAAATTCAGTTCTCT	CCCAACCAACCACTT	CACATTC	1380
Qy	1398		GGCCACACTGCAACCT	CAGCTTAACTGAATTA	CAAAAGATGGCTC	CAGGAGCGGGCTTG	1457
Db	1381		GGCCACACTGCAACCT	CAGCTTAACTGAATTA	CAAAAGATGGCTC	CAGGAGCGGGCTTG	1440
Qy	1458		CCNAGGCATGGTGGAT	CACCGGAGGTCA	GTAGTTCAAGACAGCCTG	CGCCAAATGTGTGA	1517
Db	1441		CCNAGGCATGGTGGAT	CACCGGAGGTCA	GTAGTTCAAGACAGCCTG	CGCCAAATGTGTGA	1500
Qy	1518		AACCCACCTCTACTAA	AAATTTGTTATATCTT	TGTGTCTTCTCTGTTTAT	TGTGTGCCA	1577
Db	1501		AACCCACCTCTACTAA	AAATTTGTTATATCTT	TGTGTCTTCTCTGTTTAT	TGTGTGCCA	1560
Qy	1578		AGGAGTATTTTACAA	AGTTTCAAAACAGCC	CAATAATCAGAGATGG	AGCAAAACAGTG	1637
Db	1561		AGGAGTATTTTACAA	AGTTTCAAAACAGCC	CAATAATCAGAGATGG	AGCAAAACAGTG	1620
Qy	1638		CCATCCAGTCTTTATG	CAAAATGAAATCTCTG	CAAGGGAAGCAGATTC	TATATGTGGT	1697
Db	1621		CCATCCAGTCTTTATG	CAAAATGAAATCTCTG	CAAGGGAAGCAGATTC	TATATGTGGT	1680
Qy	1698		AATACCCCAACAGAC	CACATGGGTACGGG	AGAGTAAAAAAGAGAG	AGAGATAC	1757
Db	1681		AATACCCCAACAGAC	CACATGGGTACGGG	AGAGTAAAAAAGAGAG	AGAGATAC	1740
Qy	1758		TGAAGATAATGCAAAA	ATGAAGGACTAGTTAA	AGGATTAATAGAGCCTTT	TAAAGATTA	1817
Db	1741		TGAAGATAATGCAAAA	ATGAAGGACTAGTTAA	AGGATTAATAGAGCCTTT	TAAAGATTA	1800
Qy	1818		ACTAGTTAAGATTAAT	PAGCAAAAGATTAAT	TAATCTAACATAGCTAT	TGGAGAAATG	1877
Db	1801		ACTAGTTAAGATTAAT	PAGCAAAAGATTAAT	TAATCTAACATAGCTAT	TGGAGAAATG	1860
Qy	1878		AGGCAAGCACCAGGAC	TGATGAGGTTTAA	CAAAAACCAAGTGTG	CAAAAAA	1937
Db	1861		AGGCAAGCACCAGGAC	TGATGAGGTTTAA	CAAAAACCAAGTGTG	CAAAAAA	1917
Qy	1938		AAAAA	AAAAA	AAAAA	AAAAA	1997
Db	1918		AAAAA	AAAAA	AAAAA	AAAAA	1977
Qy	1998		AAAAATATCTTAGG	ACTGATTTGGTAAAT	TATGGTCAATTAATA	TATTTTGGG	2057
Db	1978		AAAAATATCTTAGG	ACTGATTTGGTAA	TATGGTCAATTAATA	TATTTTGGG	2037
Qy	2058		TTCCCTTACATGTCT	GACAAGATTAAT	TGTCTGTGCCAAAA	TTTTTGTATTTTGG	2117

[illegible]

RESULT 4

RESULT 4
US-09-636-215-332
; Sequence 332, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aljun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636.215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 332
; LENGTH: 2507
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-636-215-332

	Query Match	97.5%	Score 2473.6;	DB 4;	Length 2507;
	Best Local Similarity	99.6%;	Pred. No. 0;		
	Matches 2500;	Conservative	1;	Mismatches 5;	Indels 4; Gaps 2;
QY	18	TGATGCCGTGTCAGCCGGCAGAGATGGTTGAGCTCATGTTCCGGCTGTGCTCTCCTCTTC	77		
Db	1	TGATGCCGTGTCAGCCGGCAGAGATGGTTGAGCTCATGTTCCGGCTGTGCTCTCCTCTTC	60		